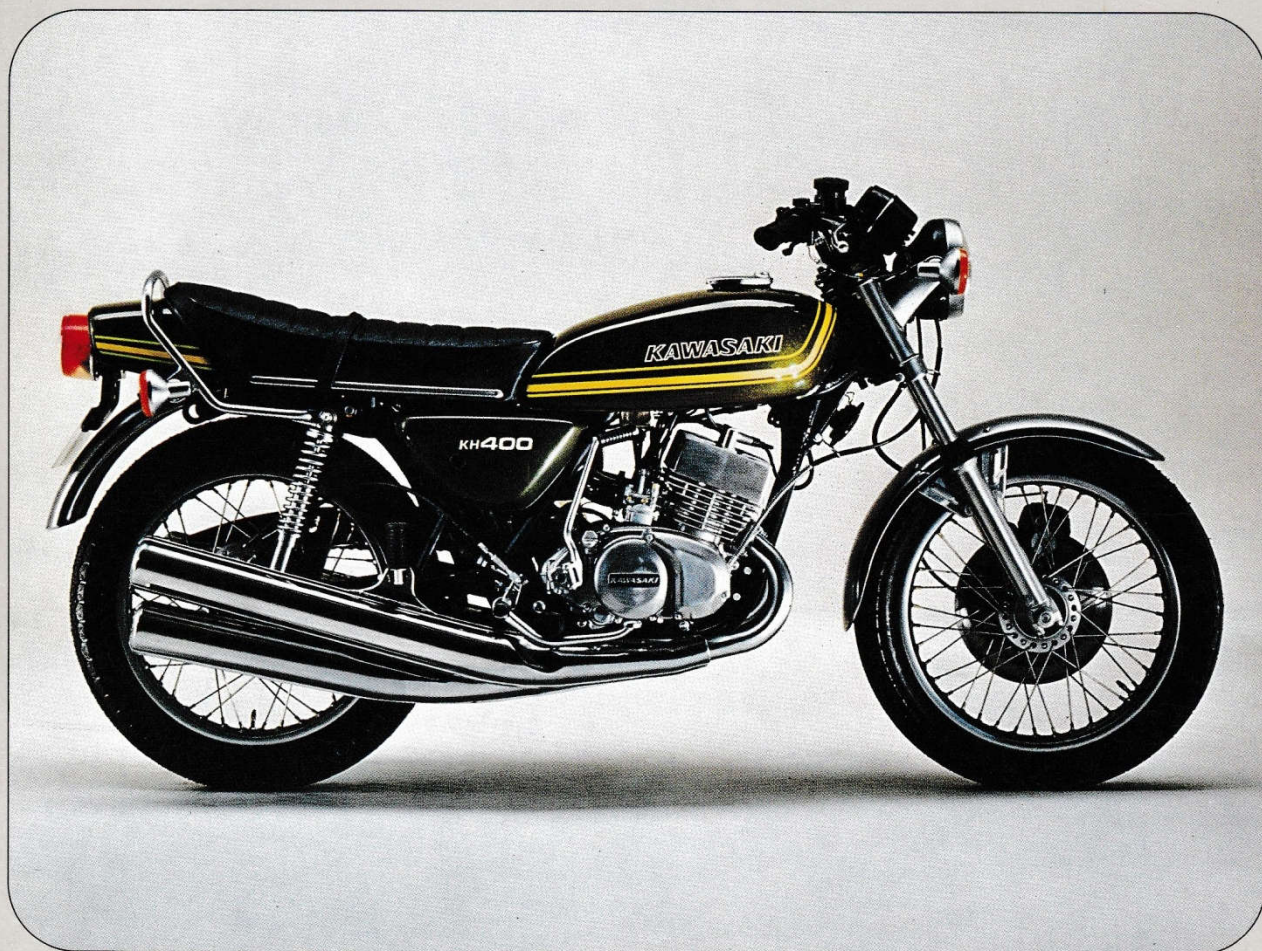




Kawasaki

KH400-A3

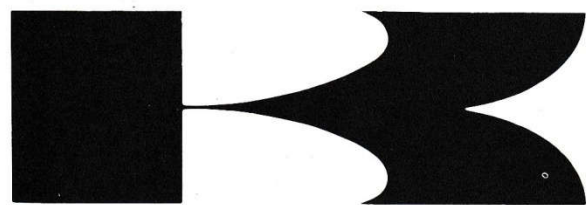


**MOTORCYCLE
ASSEMBLY & PREPARATION
MANUAL**

NOTICE TO DEALERS

This manual is provided to insure that the motorcycle is assembled correctly and given proper presale preparation. Your customer expects and deserves a safe, reliable motorcycle, and performance of the steps listed here is essential to that end.

The selling dealer assumes sole responsibility for any unauthorized modifications prior to sale. Refer to your Service Binder for any Service Bulletins specifying Factory Directed Modifications (Special Claims) which must be performed before the motorcycle is ready for sale.



Kawasaki

KH400-A3



MOTORCYCLE ASSEMBLY & PREPARATION MANUAL

TABLE OF CONTENTS

MODEL IDENTIFICATIONS	2
ASSEMBLY INSTRUCTIONS	4
PREPARATION INSTRUCTIONS	11
APPENDIX	
SPECIFICATIONS	17
CHECK AND TIGHTEN	18
TEST RIDE THE MOTORCYCLE	21
WIRING DIAGRAMS	22

2 MODEL IDENTIFICATION

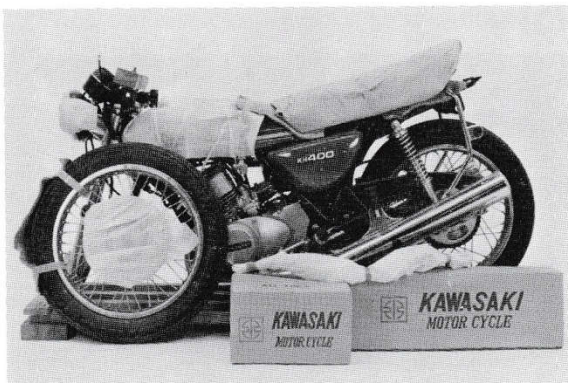
Model Identification



BEGINNING

Engine No. S3E26300

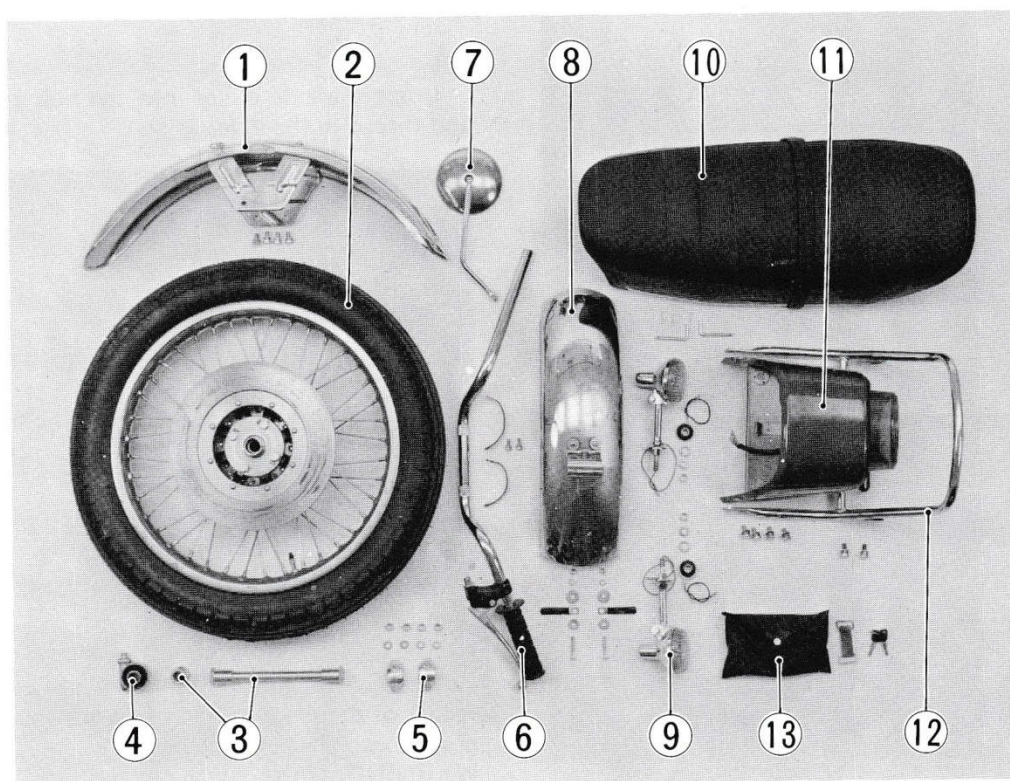
Frame No. S3F-26200



Clear work area. Set the crate upright on base and open the crate.

CAUTION: Bend over all exposed nails to prevent injury or a tire puncture.

Collect the front wheel, front fender, handlebar, rear fender, seat, and parts boxes. With an assistant, remove the unit to the set up area.



Open parts boxes and check for damage or missing parts.

1. Front fender, with four bolts and lock washers
2. Front wheel assembly
3. Front axle, axle collar
4. Speedometer gear box
5. Axle clamps, with four lock washers, and nuts
6. Handlebar assembly, with wiring straps
7. Rear view mirror
8. Rear fender, with two long bolts, wiring clips, lock washers, nuts, four large flat washers, and two bolts with lock washers and flat washers
9. Rear turn signals, each with a ground wire, flat washer, lock washer, and nut
10. Seat, with two link pins, and three safety clips
11. Seat back rest, with four bolts, lock washers, and flat washers
12. Passenger grab rail, with two bolts, lock washers, and flat washers
13. Tool kit, rubber band, ignition keys
14. Miscellaneous:
KH400 Owner's manual

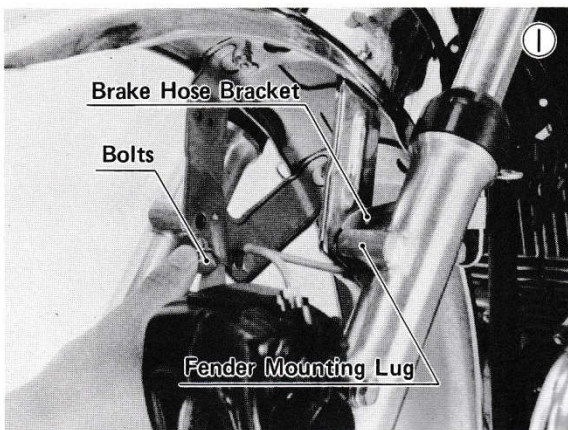
4 ASSEMBLY

Assembly

FRONT FENDER

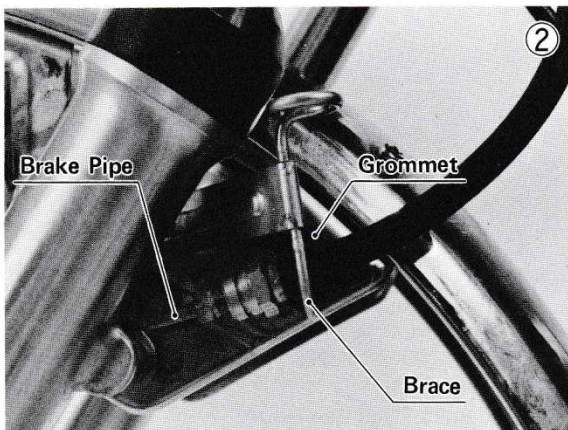
Turn the lower front forks so that the fender mounting lugs face inward.

Mount the front fender with four bolts and lock washers. Be sure to mount the brake hose bracket between the fender and the left-hand fork tube.



Make sure the protective rubber grommet on the brake hose is properly in the brake hose brace.

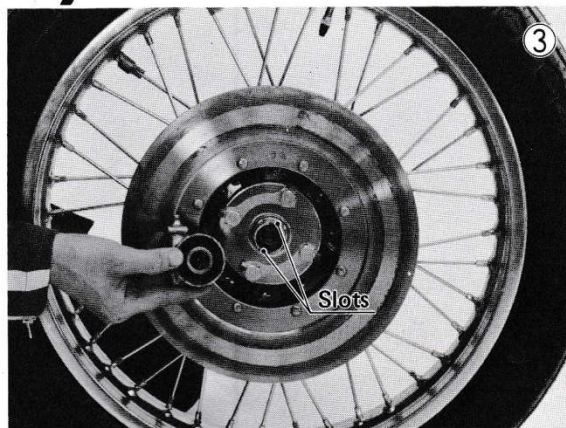
CAUTION: Do not bend the hydraulic brake pipe during assembly, or it may cause the brake to squeal.



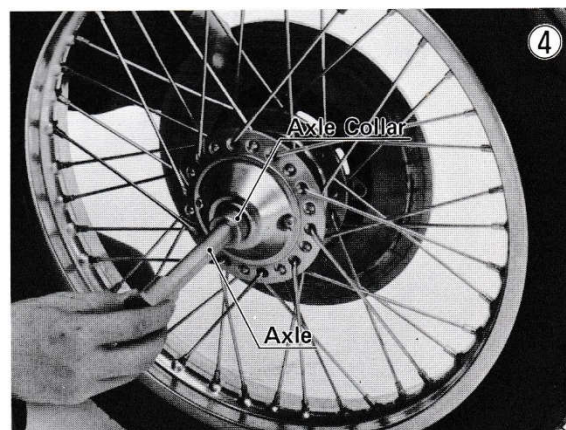
FRONT WHEEL ASSEMBLY

Check for any loose parts inside the speedometer gear box and the front wheel hub, and fit the gear box to the hub. Be sure to align the tangs in the gear box with the slots in the wheel hub.

WARNING: Loose parts in speedometer gear box, or misalignment may cause front wheel to lock with resulting loss of control.

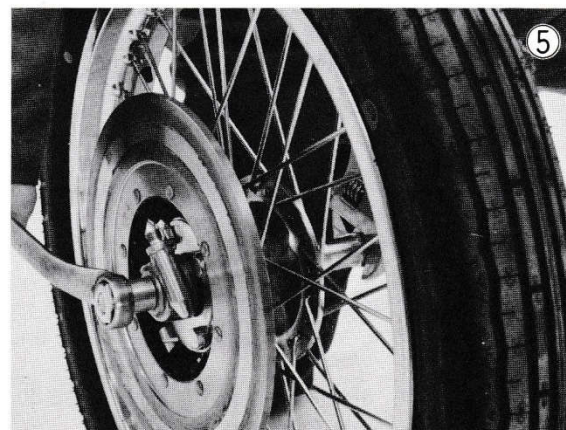


Insert the axle collar into the hub grease seal and thread in the axle.

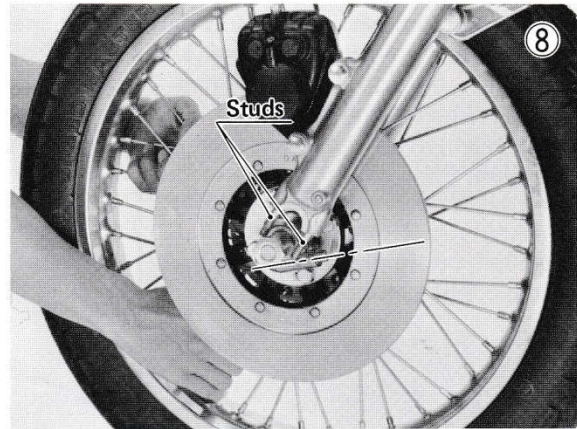
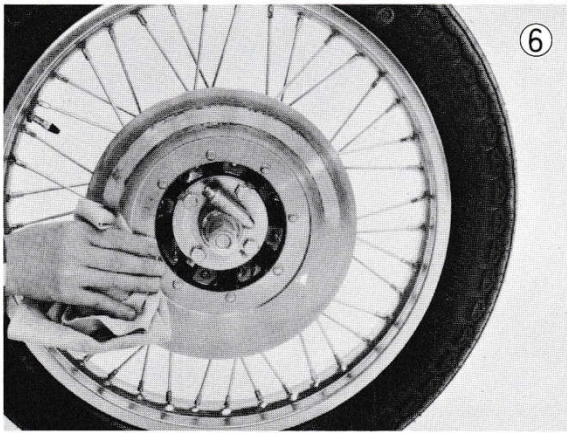


Tighten the axle with 7 ~ 9 kg-m (51 ~ 65 ft-lbs) of torque, and then turn the speedometer gear box to check for binding.

WARNING: If the axle is not securely tightened, an unsafe riding condition may result.



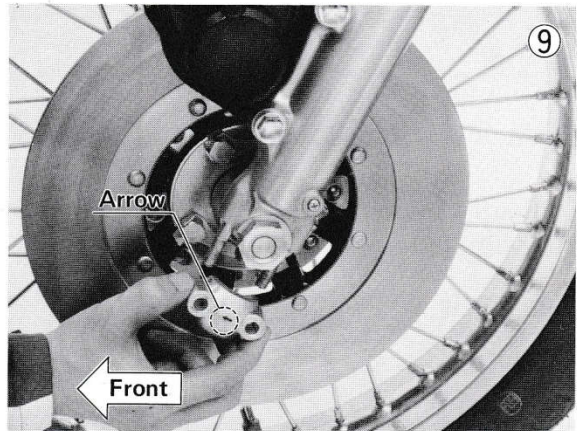
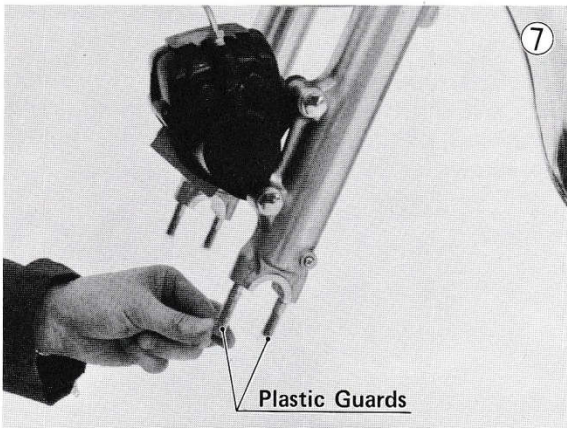
Wipe the disc clean with trichloroethylene or other oilless solvent.



Loosely mount the axle clamps with a nut and lock washer on each stud, making sure the arrow on the clamp points toward the front of the motorcycle.

FRONT WHEEL INSTALLATION

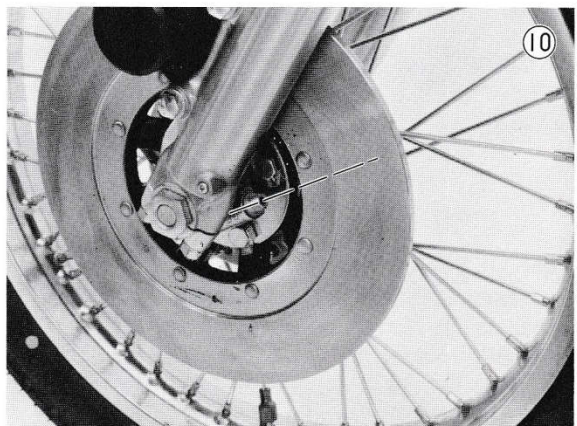
Pull the plastic guards off the axle clamp studs and check the studs for damaged threads. Slit the guard lengthwise with a sharp knife if it is stuck.



Turn the speedometer gear box so that it points to the two o'clock position. Be sure that the small projection on the gear box does not catch on the lower part of the left front fork. **CAUTION:** Failure to correctly align speedometer gear box may result in early breakage of the speedometer cable.

Remove the cardboard spacer from between the disc brake pads. Roll the front wheel into position with the disc between the caliper pads and the axle ends fitted between the studs on the ends of the lower front forks.

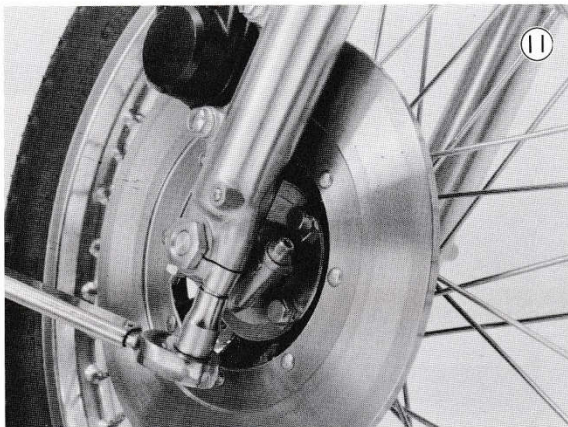
NOTE: Install the wheel with the speedometer gear box pointing rearward, because it may not turn to the correct position later.



6 ASSEMBLY

Tighten the left hand clamp nuts, front first and rear last to 1.6 ~ 2.2 kg-m (11.5 ~ 16 ft-lbs). Compress the forks several times to center the axle, and then tighten the right-hand clamp in the same manner. If the axle clamp was correctly installed, there will be no gap at the front and an even gap at the rear after tightening.

WARNING: If the axle clamps are not correctly installed, or are not securely tightened, an unsafe riding condition may result.

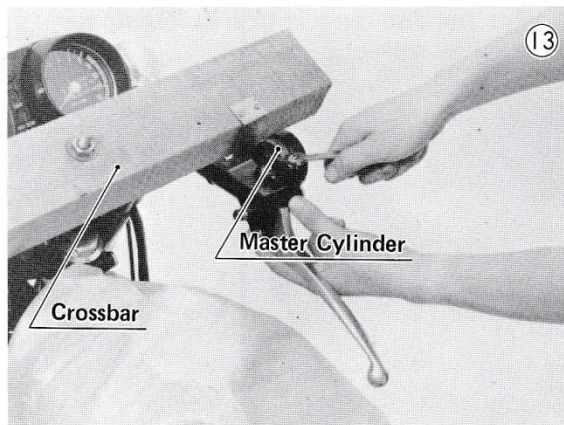


Route the lower end of the speedometer cable through the cable guide on the brake hose bracket. Insert the cable into its socket, while slowly rotating the front wheel to insure proper engagement. Screw on the cable nut and tighten it securely.

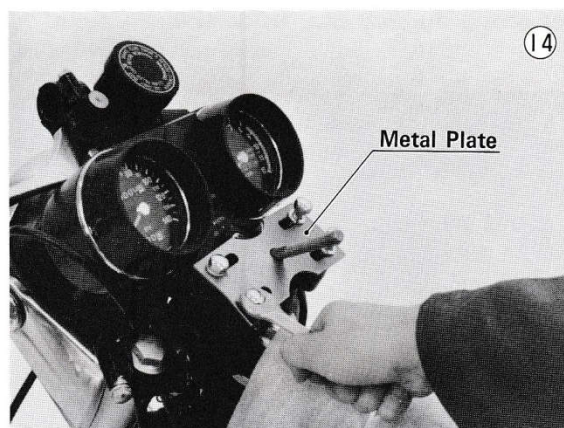


HANDLEBAR

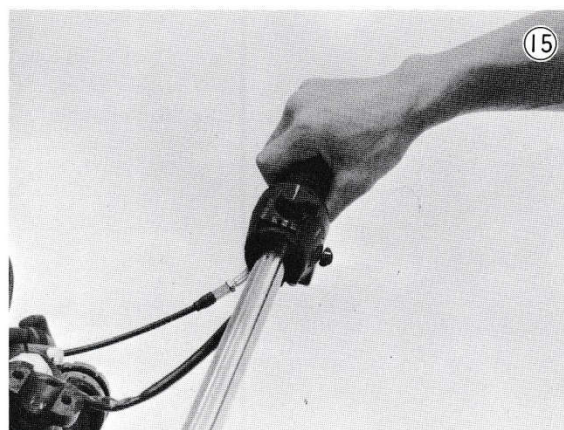
Remove the master cylinder clamp bolts to separate it from the wooden crossbar, and then put the master cylinder near the instruments temporarily. Remove the nut holding the crossbar to the handlebar clamps.



Remove the handlebar clamp bolts and discard the metal plate, long bolt, and crossbar.

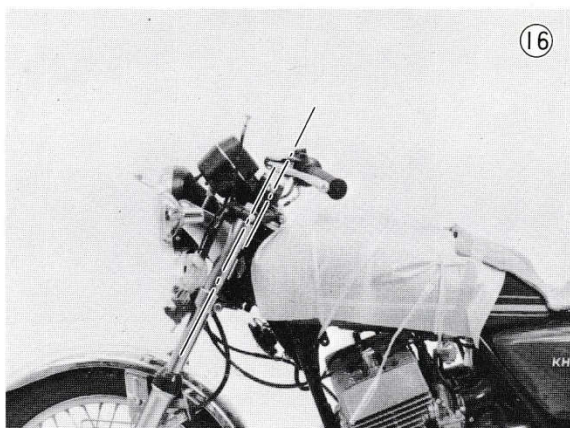


Before mounting the handlebar in position, slide the throttle grip assembly onto the right-hand end of the handlebar. Do not tighten the screws yet.



Set the handlebar in position, fit the clamps, and screw in the clamp bolts. Tighten the clamp bolts evenly with 1.6 ~ 2.2 kg-m (11.5 ~ 16.0 ft-lbs) of torque.

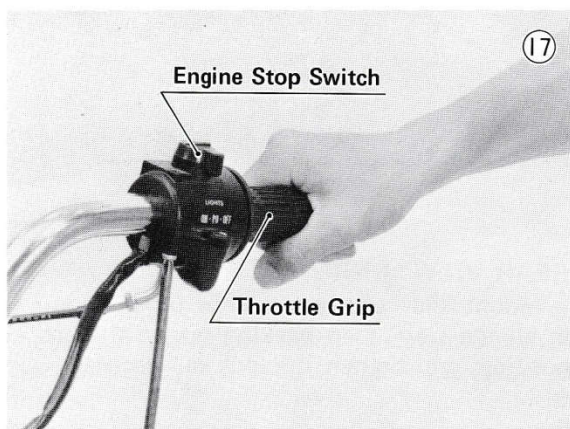
NOTE: Comfortable handlebar position is obtained by matching the handlebar angle with that of the front forks.



THROTTLE GRIP ASSEMBLY

Tighten the throttle grip mounting screws securely with the engine stop switch at topmost position on the handlebar.

WARNING: Do not push the throttle grip so far onto the handlebar that the inside of the grip contacts the end of the bar. This can interfere with throttle action and could result in loss of control.



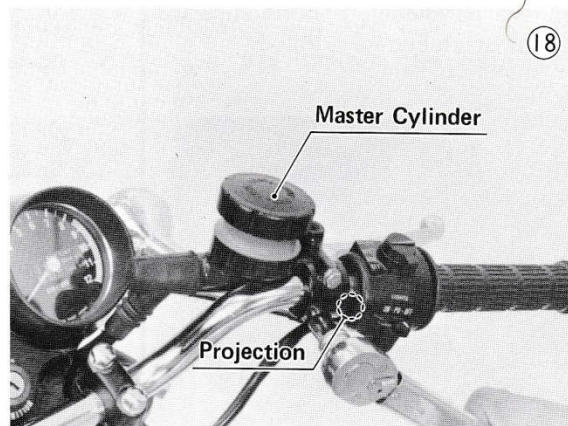
MASTER CYLINDER

Mount the front brake master cylinder next to the throttle grip assembly. The small projection on the side of the clamp should face toward the grip. Tighten first the upper clamp bolt and then the lower, both with 0.6~0.9 kg-m (52~78 in-lbs) of torque.

NOTE: If the clamp was correctly installed, there will be no gap at the top and an even gap at the bottom after tightening.

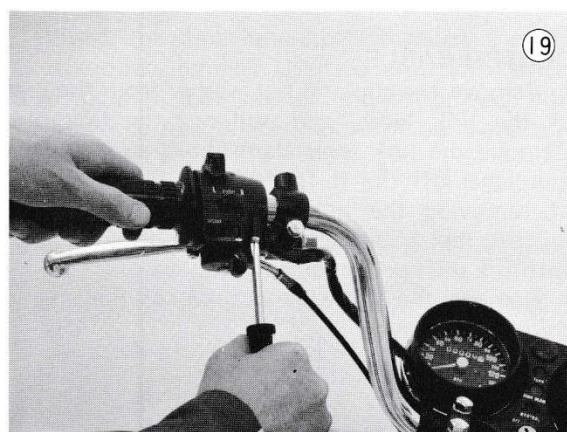
CAUTION: Make a proper space between the master cylinder holder and the throttle grip

assembly so that the grip assembly does not limit the brake lever action.



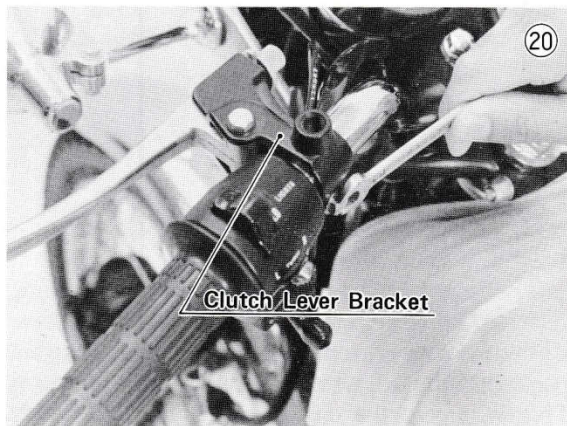
LEFT-HAND SWITCH HOUSING

Mount the left-hand switch housing between the grip and the clutch lever bracket. Position the switch housing so all controls are reached easily, and tighten the mounting screws.



CLUTCH LEVER

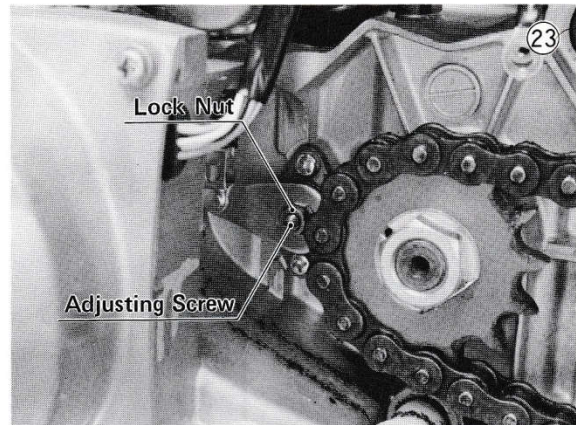
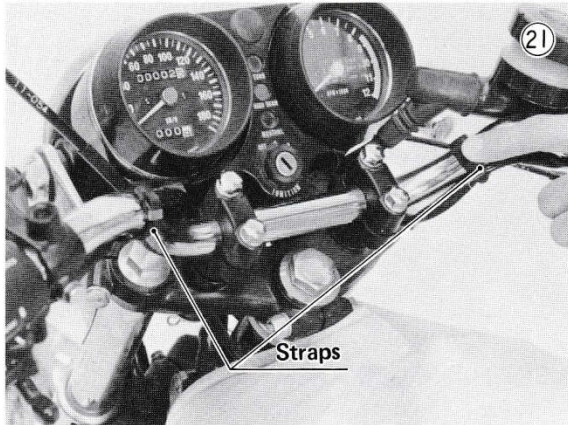
Position the clutch lever so that it is reached easily while riding, and tighten the clutch lever bracket securely.



8 ASSEMBLY

WIRING STRAPS

Fit the wiring straps to the wiring harness on the handlebar, making sure that the wiring is not stretched or kinked.

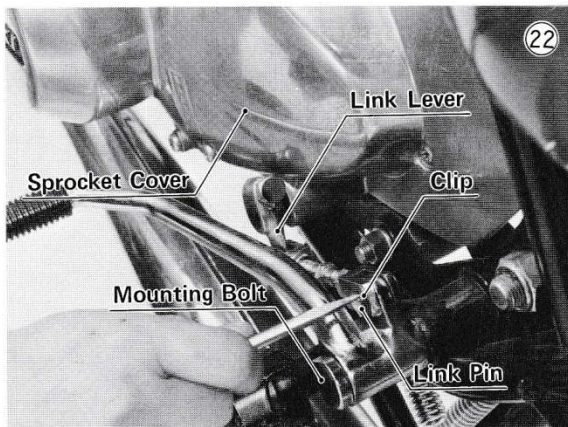
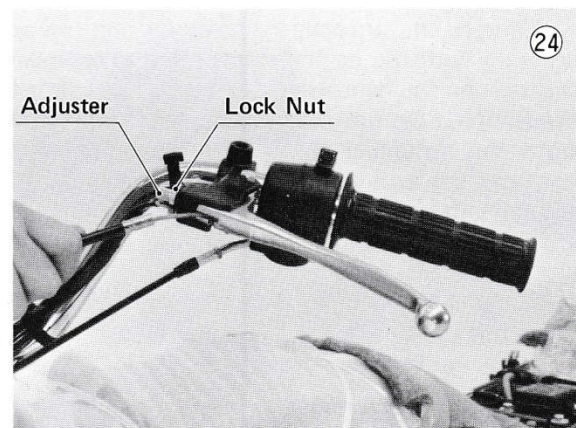


Line up the slots on the clutch lever, lock nut, and adjuster. Fit the upper end of the clutch cable into the lever, slide the cable through the slots, and release the outer cable into the adjuster.

CLUTCH CABLE

Remove the clip and flat washer from the rear of the link lever, and pull out the link pin. Remove the link lever clamp bolt, and pull the link lever off the shift shaft. Alternative way of removing the link lever is to remove the footpeg mounting bolt and remove the link lever with the shift pedal and left footpeg.

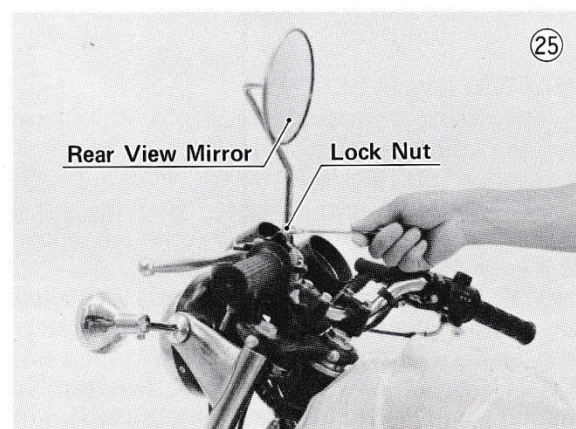
Remove the screws and take off the engine sprocket cover.



Loosen the clutch release lever lock nut, and back out the adjusting screw a couple of turns. This will give the clutch cable plenty of play.

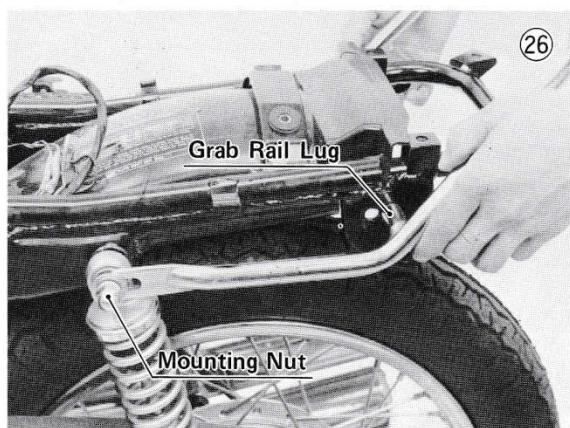
REAR VIEW MIRROR

Mount the rear view mirror by threading it in all the way, then backing out to the proper position, and tighten the lock nut securely.

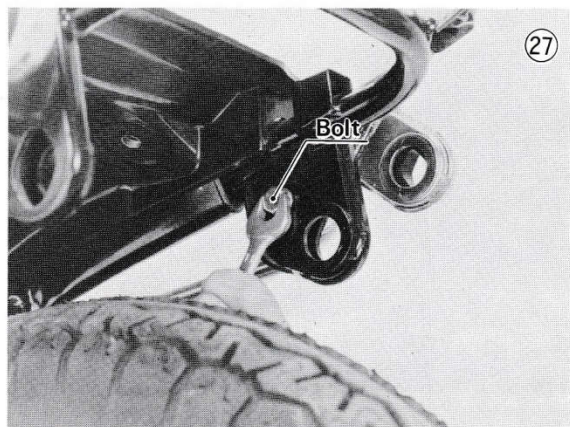


PASSENGER GRAB RAIL

Loosen the upper shock absorber mounting nuts on both sides. Slip the slotted ends of the grab rail between the large washers on the upper shock absorbers, so that each grab rail lug is aligned with the small hole in the bracket. Do not tighten the nuts yet.



Insert the two bolts with flat washers and lock washers into the grab rail lugs, and tighten them securely. It will be difficult to insert these bolts after rear fender installation.

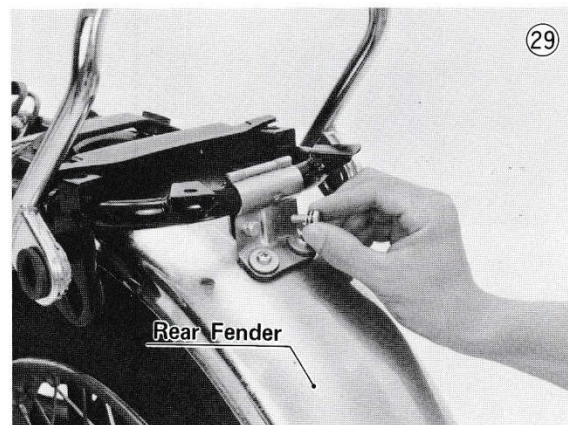


Tighten the upper shock absorber mounting nuts with 2.6 ~ 3.5 kg-m (19 ~ 25 ft-lbs) of torque.

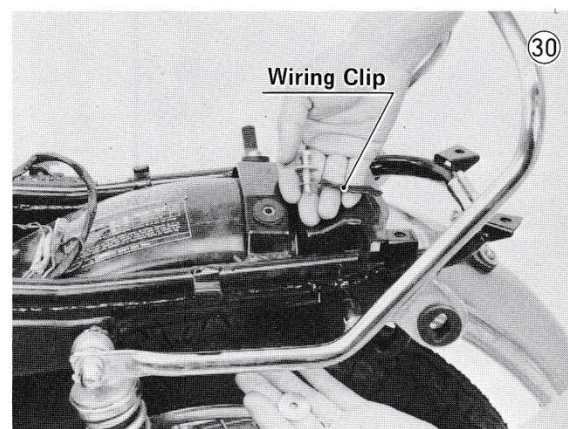


REAR FENDER

Slide the rear fender in place, hook the rear of the fender to the frame, and insert the two bolts. A flat washer and lock washer go with each bolt. Do not tighten the bolts yet.



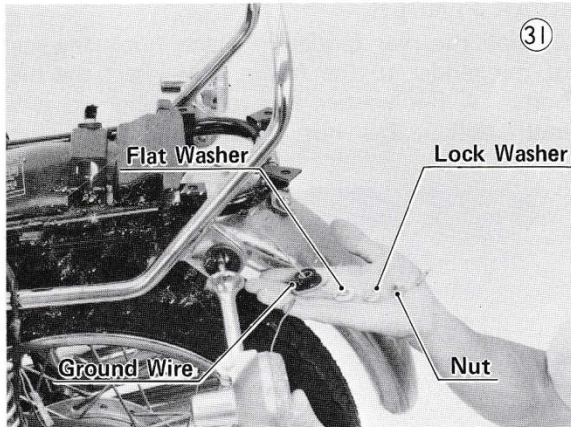
Insert the two long bolts through the bracket and rear fender. Use two large flat washers, a wiring clip, lock washer, and nut on each bolt. Tighten the rear fender mounting bolts and nuts securely.



REAR TURN SIGNALS

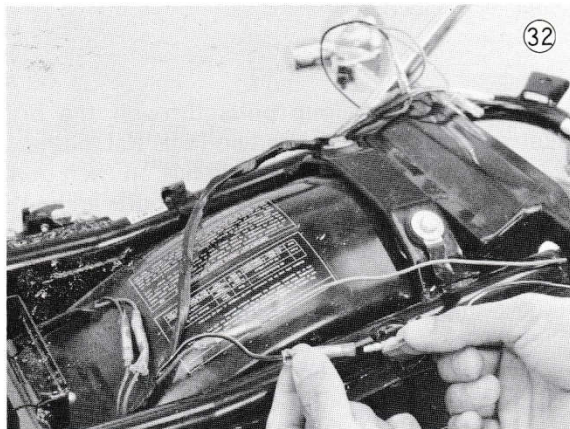
Slip the rear turn signals into place and fasten them each with a ground wire, flat washer, lock washer, and nut, as shown. Be sure that each turn signal faces rearward and ground wire is pointing to the grab rail lug, and tighten the nuts securely.

10 ASSEMBLY



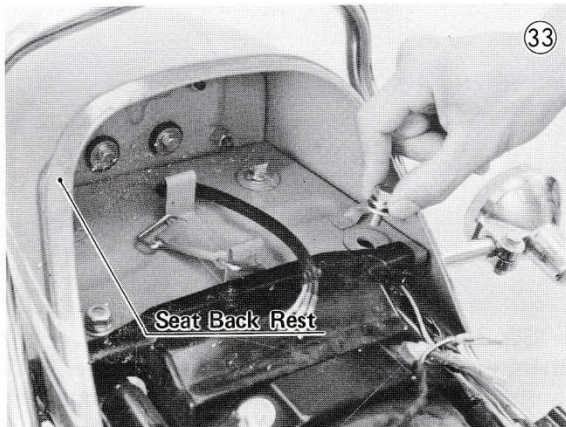
Connect the turn signal wires according to the color codes:

Gray wire from right turn signal to Gray
Gray wire from left turn signal to Green
Black/Yellow wires from both turn signals to Black/Yellow



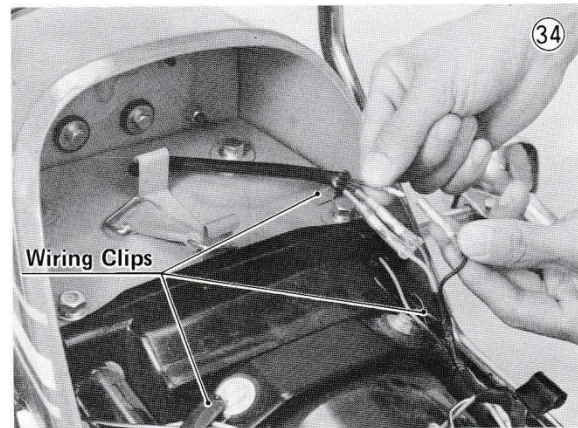
SEAT BACK REST

Install the seat back rest by pulling it to the rear and holding it with four bolts. Each bolt should have a lock washer and flat washer.



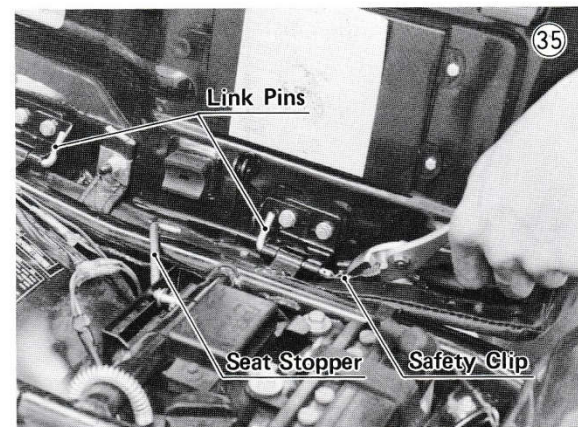
Connect the taillight wires according to the color codes.

Secure the turn signal wires and taillight wires with the wiring clips, and attach the tool kit with the rubber band in the seat back rest.



SEAT

Attach the seat by inserting two link pins into the hinges, and insert a safety clip into each pin. Also, install a safety clip into the seat stopper.



ASSEMBLY COMPLETE

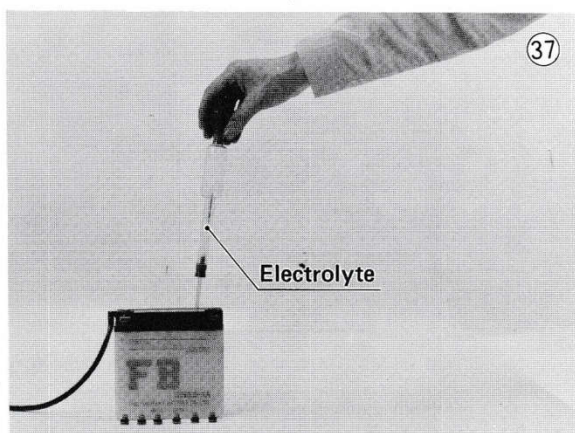
Remove the protective coverings and rubber bands from the motorcycle.



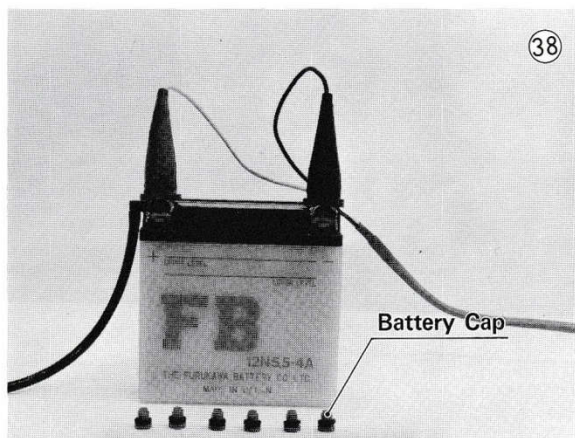
Preparation

BATTERY SERVICE

Lift the seat and remove the battery from the motorcycle. Cut the plugged end of the battery vent hose or remove the rubber band. Fill the battery to the upper level line with fresh electrolyte at a temperature of 30°C (86°F) or less. Let the battery stand for 30 minutes before charging. If the electrolyte level drops below the level, refill the battery with more electrolyte before charging.

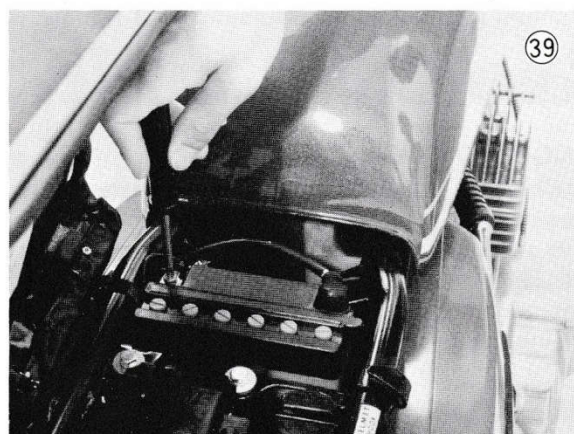


An initial charging is necessary before placing the battery in service. Connect the battery charger leads (red to + black to -) to the battery posts. Remove the battery caps. Charge for 10 hours at no more than 0.6 amps. Stop charging if the electrolyte temperature rises above 45°C (113°F). If the fluid level drops, refill the battery with distilled water only. Wash off any spilled acid with fresh water.



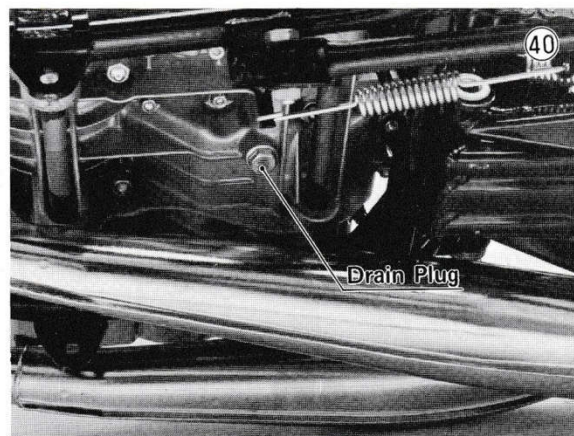
Make sure the battery mat is in place and drop the battery into place with the vent hose. Route

the battery vent hose according to the CAUTION LABEL under the seat. Connect the white lead and ground the black lead to the frame. **NOTE:** Make sure the battery vent hose end is kept away from the chain, as electrolyte from the battery vent hose will corrode and dangerously weaken the chain. Do not let the battery vent hose get folded or pinched, and route it away from the exhaust system.



TRANSMISSION OIL

Remove the drain plug and drain the shipping oil from the transmission. After draining the transmission oil, replace the drain plug and tighten it securely.

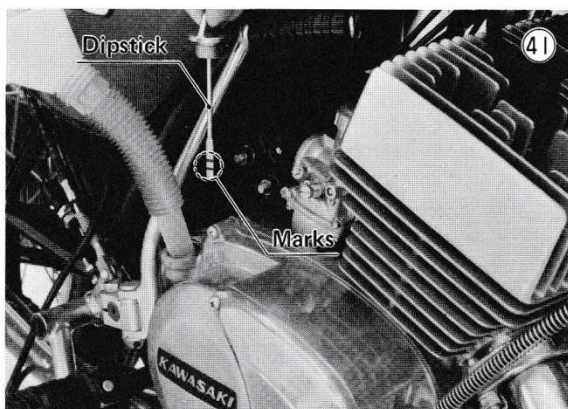


Remove the dipstick, and wipe off any oil on the end. Fill the transmission with 1.1 liters (1.0 Imp qt) of SAE 10W30 or 10W40 motor oil marked SD or SE.

Stand the motorcycle vertically and check the oil level with the dipstick. The oil should reach between the marks.

12 PREPARATION

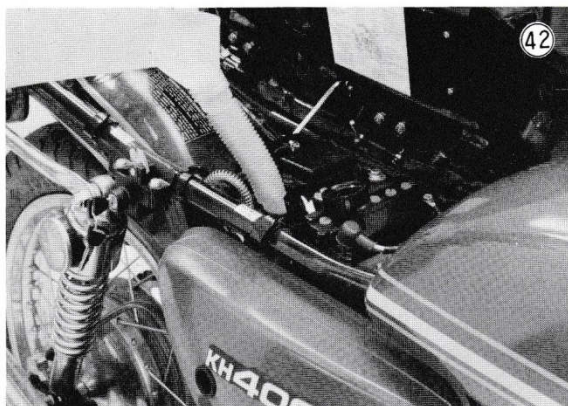
NOTE: The dipstick should be screwed all the way into the engine cover to check the oil level.



ENGINE OIL

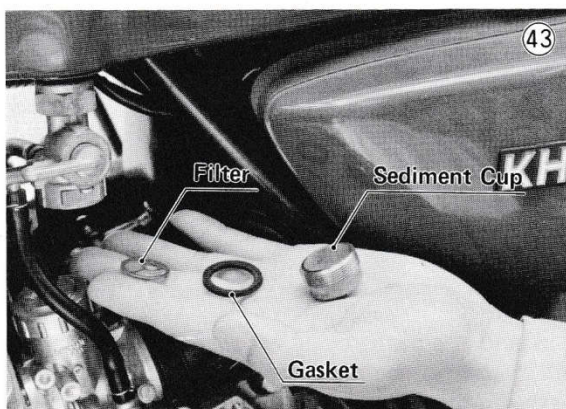
Check that the oil tank outlet hose is securely fastened, and fill the tank with a good quality two stroke engine oil.

CAUTION: Make sure the oil tank vent hose is not pinched shut, which could cause major engine damage.



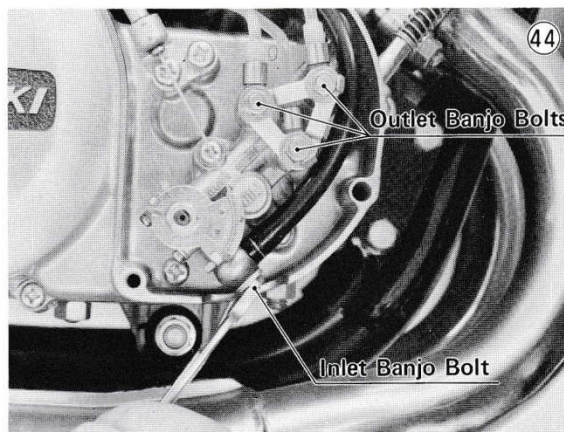
FUEL TAP

* Remove the fuel tap sediment cup and filter. Clean any foreign matter out of the cup and reassemble the fuel tap.



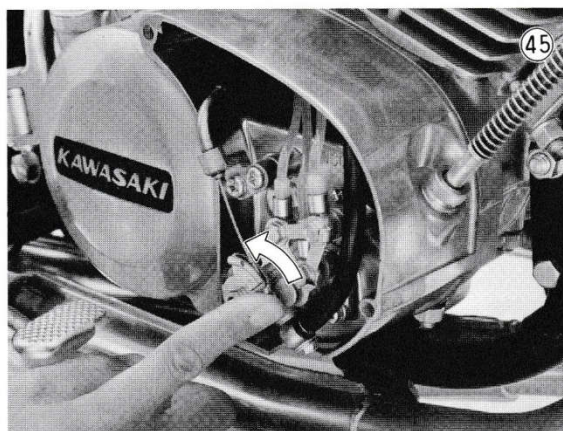
OIL PUMP ADJUSTMENT

Remove the oil pump cover. Loosen the oil inlet banjo bolt and allow the oil to bleed out for about two minutes. This will remove any air bubbles in the hose from the oil tank. Tighten the oil inlet banjo bolt securely, and check that the outlet banjo bolts are also tight.



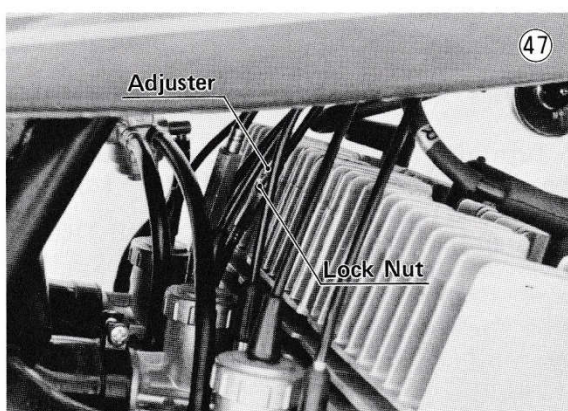
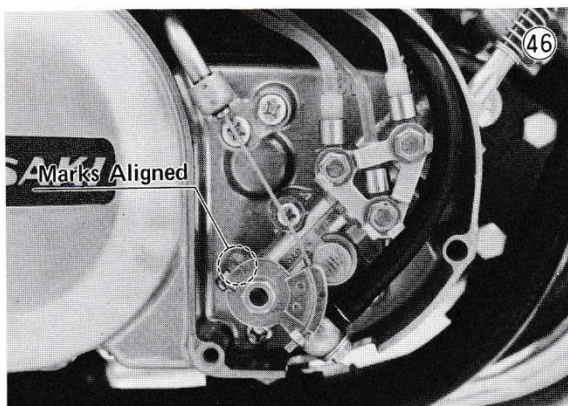
Start the engine and hold it at a steady speed of about 1,500 to 2,000 rpm. Push the oil pump lever to the full open position to bleed any air bubbles out of the oil pump body and the oil pressure line. When the exhaust smokes heavily, release the lever and stop the engine.

CAUTION: If the exhaust does not smoke, check for blockage or loose connections.



Only after adjusting the carburetor, adjust the oil pump. The mark on the oil pump lever should align with the mark on the oil pump body. If it does not, loosen the lock nut and turn the

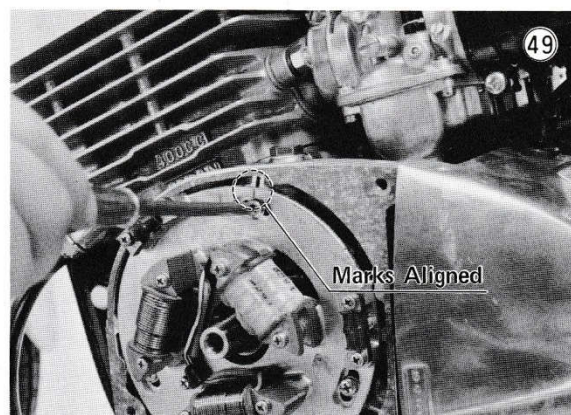
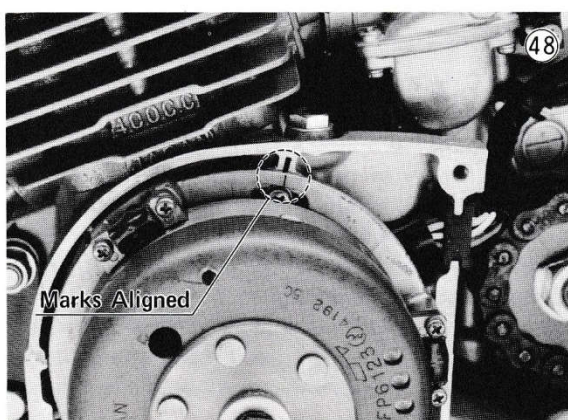
adjuster as required. Tighten the lock nut securely. Replace the oil pump cover.



IGNITION TIMING

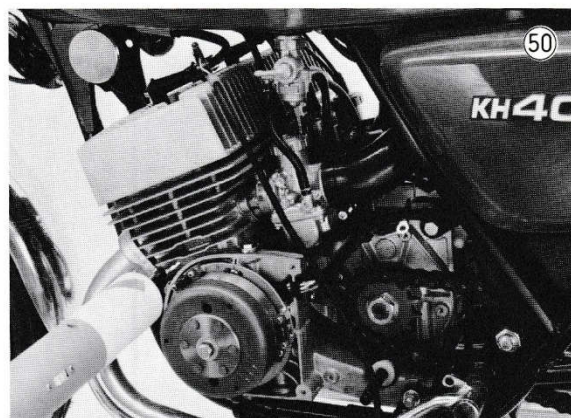
Ignition Timing Adjustment

1. Remove the left engine cover.
2. Check to see whether or not the magneto stator plate mark is aligned with the crankcase mark.
3. If the marks are not aligned, remove the magneto flywheel using the magneto flywheel holder, magneto flywheel puller, and rotor puller (special tools).
4. Loosen the magneto stator plate screws (3), shift the position of the plate so that the marks are aligned, and then tighten the screws securely, and reinstall the magneto flywheel.



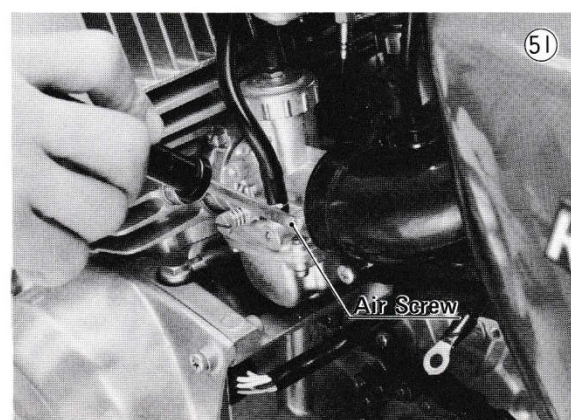
Ignition Timing Inspection (Dynamic)

1. Connect the strobe light lead to the left spark plug lead.
2. Start the engine, run the engine at 4,000 rpm, and then direct the light at the timing marks on the flywheel and crankcase. The marks should align at 4,000 rpm.
3. If they do not, stop the engine, and readjust the ignition timing.
4. Recheck the timing with strobe light.
5. Replace the left engine cover.



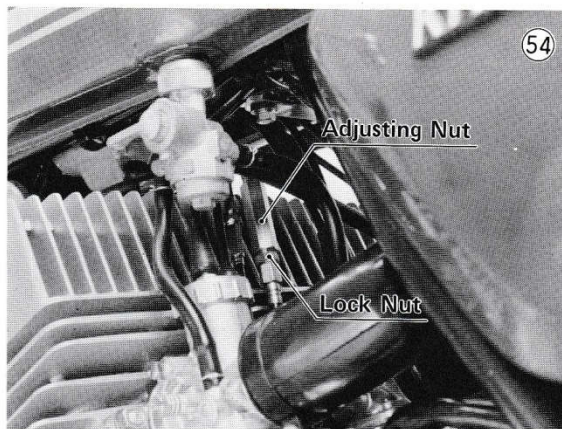
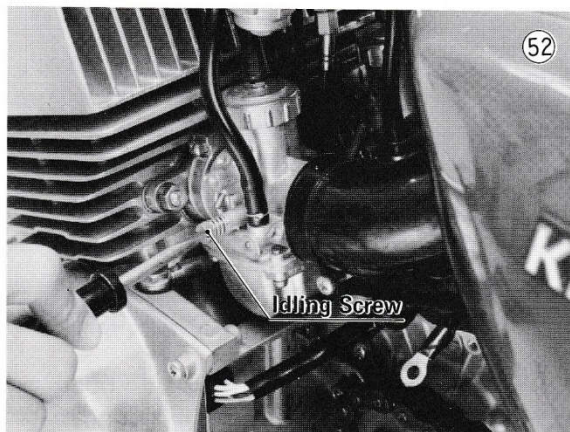
IDLING ADJUSTMENT

Turn in the air screw of each carburetor fully (but not tightly), and then back it out 1 1/4 turns.



14 PREPARATION

Start the engine and warm it up for 5 minutes, and then adjust engine idle with each idling screw so that idle rpm is about 1,200 ~ 1,300 rpm by the tachometer.

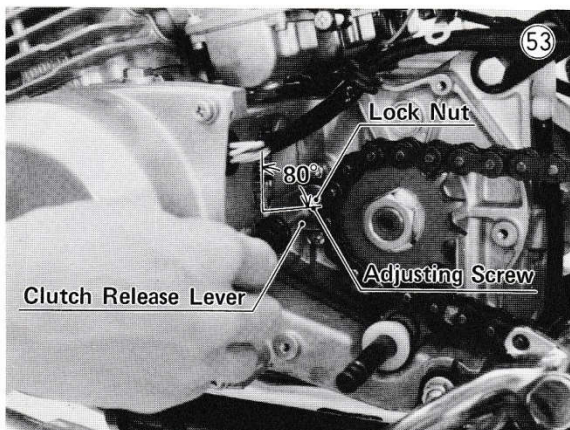
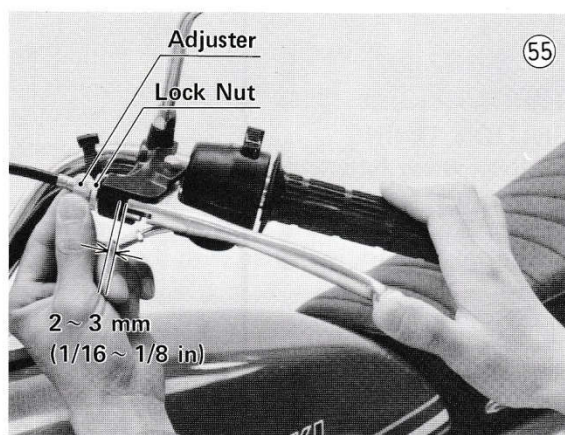


Turn the adjuster at the clutch lever until the clutch lever has 2 ~ 3 mm (1/16 ~ 1/8 inch) of play and tighten the lock nut.

Install the engine sprocket cover.

CLUTCH ADJUSTMENT

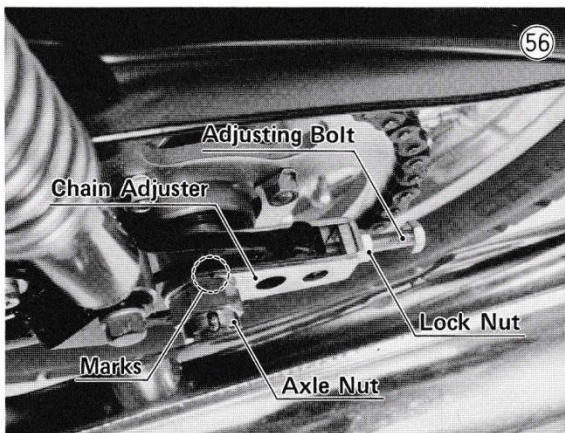
1. Loosen the lock nut at the clutch lever just enough so that the adjuster will turn freely, and then turn the adjuster to make a 5 ~ 6 mm (0.20 ~ 0.24 inch) gap between the adjuster and lock nut.
2. Loosen the lock nut at the lower end of the clutch cable.
3. Loosen the clutch release lever lock nut, and back out the clutch adjusting screw 3 ~ 4 turns.
4. Set the clutch release lever angle at about 80° to the clutch cable by turning the adjusting nut at the middle of the clutch cable.
5. Turn the clutch adjusting screw into where it suddenly becomes hard to turn, and then tighten the lock nut.



DRIVE CHAIN ADJUSTMENT

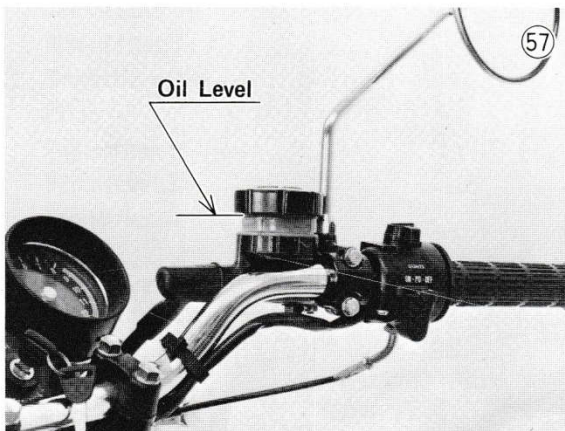
With the unit on the center stand, the drive chain should have 20 ~ 25 mm (3/4 ~ 1 inch) of up and down play in the lower run. If it does not, loosen the brake adjusting nut, the torque link nut, the axle nut, and the lock nuts on both of the adjusters, and turn the chain adjusting bolts as required. To help keep the sprocket and rear wheel properly aligned, there are marks on the swing arm tabs. Be sure the alignment marks on the chain adjusters are on equal marks on

both tabs. Tighten the lock nuts and the axle nut securely.



FRONT BRAKE FLUID CHECK

Check the fluid in the brake master cylinder reservoir with the reservoir held as nearly level as possible. If the fluid is below the lower edge of the lid, fill it with the brake fluid marked "D,O,T,3" only. Check the Owner's Manual for recommended brands.



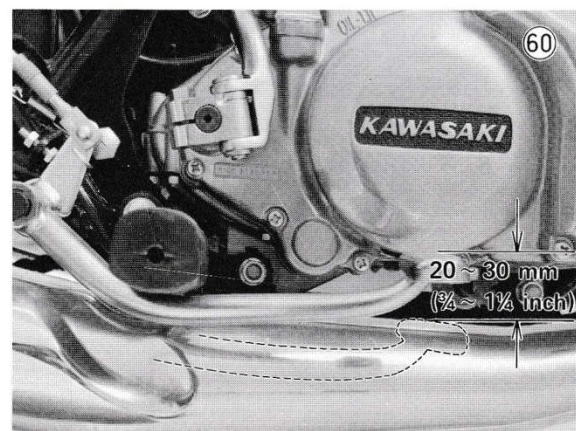
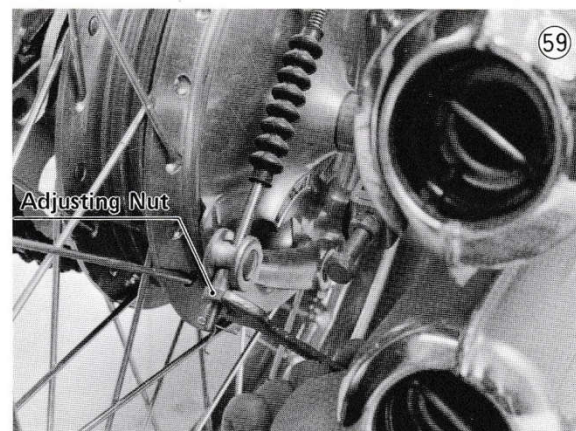
REAR BRAKE ADJUSTMENT

Check that the top of the brake pedal in its rest position is about 20 ~ 30 mm ($\frac{3}{4}$ ~ 1 $\frac{1}{4}$ inch) lower than the upper surface of the footpeg.

To adjust pedal position, loosen the lock nut, turn the adjusting bolt, and tighten the lock nut.



Turn the adjusting nut at the end of the brake cable so that the brake pedal has about 20 ~ 30 mm ($\frac{3}{4}$ ~ 1 $\frac{1}{4}$ inch) of travel from the rest position to the fully applied position when the pedal is pushed down lightly by hand.



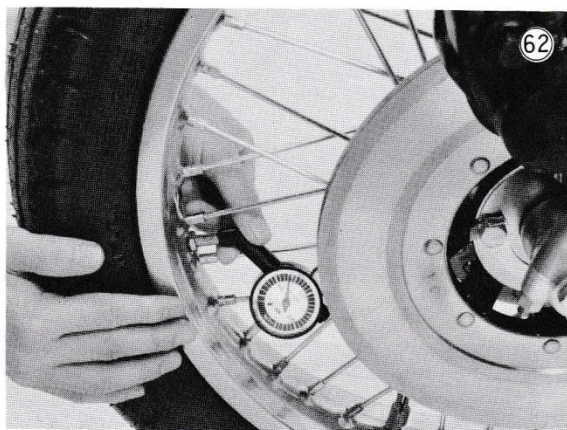
16 PREPARATION

Turn on the ignition switch. The brake light should light when the brake pedal is depressed about 15 mm (5/8 inch). If it does not, loosen the mounting nuts and turn the nuts as required. Tighten the mounting nuts after adjustment securely. Although it requires no adjustment, test the front brake light switch at this time.



TIRE PRESSURES

To prevent flat-spotting during shipment, the tires are over-inflated before crating. Adjust the pressures to 1.75 kg/cm² (25 psi) in the front and 2.0 kg/cm² (28 psi) in the rear.



SPECIFICATIONS**ENGINE**

Type	2-stroke, 3 cylinder, piston valve
Bore and stroke	57.0 x 52.3 mm (2.24 x 2.06 inch)
Displacement	400 cc (24.4 cu in)
Compression ratio	6.5 : 1
Maximum horsepower	38HP/7,000 rpm
Maximum torque	3.9 kg-m/6,500 rpm (28.2 ft-lbs/6,500 rpm)
Port (Valve) timing	
Intake	Open 73° BTDC
Close	73° ATDC
Scavenging	Open 58° BBDC
Close	58° ABDC
Exhaust	Open 86° BBDC
Close	86° ABDC
Lubrication system	Superlube (Oil injection)
Starting system	Kick
Ignition system	Electronic CDI
Ignition timing	23° BTDC/4,000 rpm
Spark plugs	NGK B8HS

CARBURETOR

Manufacture, Size	Mikuni VM26SC
Main jet	77.5-R
Jet needle	4EJ4-3
Needle jet	O-6
Throttle valve	2.5
Pilot jet	20
Air screw	1¼
Fuel level	4 ~ 6 mm (below the edge of the carburetor body)
Identification	KH4

LUBRICATION

Engine oil type	2-stroke engine oil
Engine oil quantity	1.5 liters (1.3 Imp qt)
Transmission oil type	SAE 10W30 or 10W40
Transmission oil quantity	1.1 liters (1.0 Imp qt)
Front fork oil type	SAE 10W
Front fork oil quantity	141 ~ 149 cc (3.97 ~ 4.20 Imp fl oz)
Front fork oil level	345 mm (13.6 inch)
Chain oil	SAE 90

Specifications subject to change without notice.

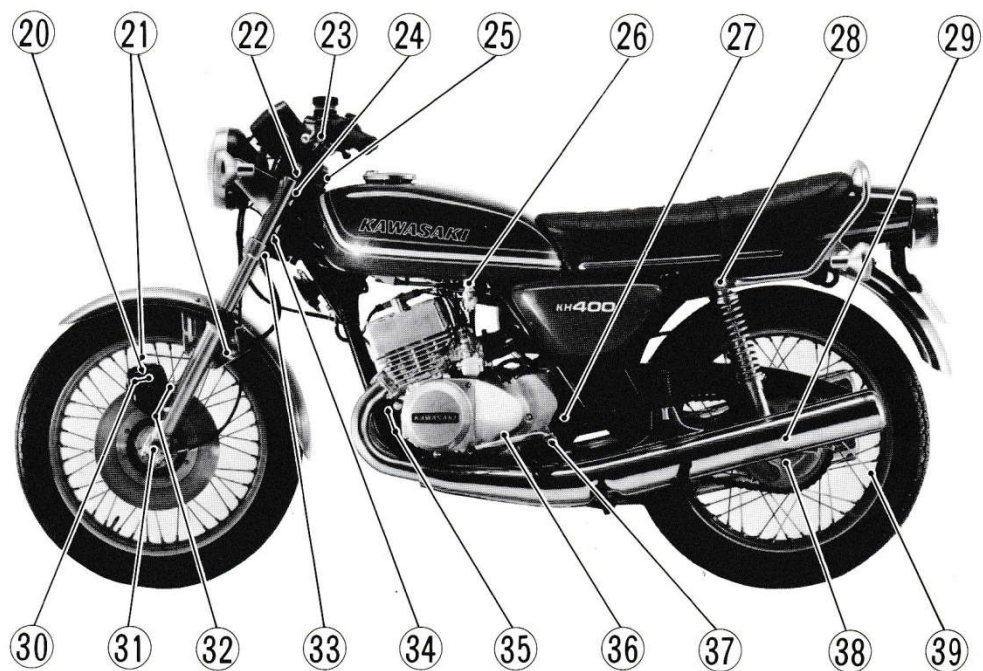
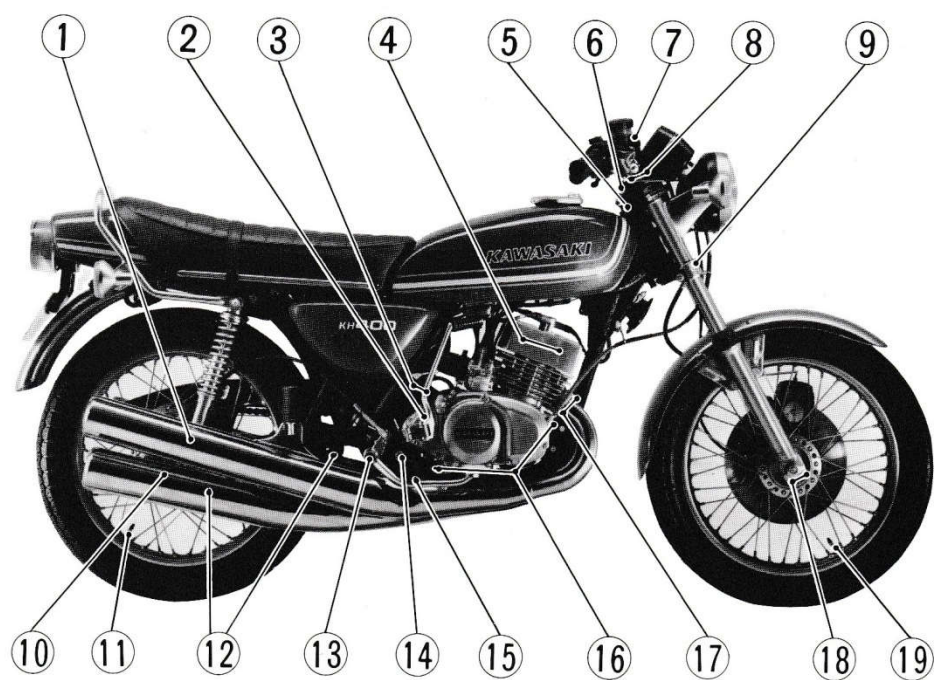
18 APPENDIX

CHECK AND TIGHTEN

Check the tightness of the bolts and nuts shown below, and retighten if required. Also, check the (☆) marked items whether or not a cotter pin or safety clip is used.

Dealer is requested to retighten the asterisk (*) marked points with specified torque, and apply yellow paint to assure your customer that the motorcycle is prepared for use with great care.

ITEM	DESCRIPTION	TOOL SIZE	REMARKS
1	Rear Shock Absorber Bolts (2)	14 mm	2.6 ~ 3.5 kg-m (19.0 ~ 25 ft-lbs)
2	Kickstarter Pedal Bolt	14 mm	
3	Engine Mounting Bracket Nuts (2)	14 mm	1.6 ~ 2.2 kg-m (11.5 ~ 16.0 ft-lbs)
4	Cylinder Head Nuts (12)	17 mm	2.0 ~ 2.4 kg-m (14.5 ~ 17.5 ft-lbs)
5	Steering Stem Nut		2.7 ~ 3.3 kg-m (13.0 ~ 16.0 ft-lbs)
6	Steering Stem Head Bolt		
7	* Brake Hose Banjo Bolt	14 mm	2.9 ~ 3.1 kg-m (21 ~ 22 ft-lbs)
8	* Handlebar Clamp Bolts (4)	13 mm	1.6 ~ 2.2 kg-m (11.5 ~ 16.0 ft-lbs)
9	* Brake Hose Banjo Bolt	14 mm	2.9 ~ 3.1 kg-m (21 ~ 22 ft-lbs)
10	Rear Brake Cam Lever Bolt	10 mm	
11	Tire Pressure — Rear		2.0 kg/cm ² (28 psi)
12	☆ Torque Link Nuts (2)	14 mm	2.6 ~ 3.5 kg-m (19.0 ~ 25 ft-lbs)
13	☆ Brake Pedal Pivot		
14	Footpeg Mounting Bolts (2)	17 mm	
15	☆ Footpeg Pivots (2)		
16	Engine Mounting Nuts (3)	14 mm	2.6 ~ 3.5 kg-m (19.0 ~ 25 ft-lbs)
17	Exhaust Pipe Holder Nuts (6)	12 mm	
18	* Front Axle Clamp Nuts (4)	13 mm	1.6 ~ 2.2 kg-m (11.5 ~ 16.0 ft-lbs)
19	Tire Pressure — Front		1.75 kg/cm ² (25 psi)
20	* Bleed Valve	10 mm	0.7 ~ 1.0 kg-m (61 ~ 87 in-lbs)
21	* Brake Pipe Banjo Bolts (2)	10 mm	1.7 ~ 1.9 kg-m (12.0 ~ 13.5 ft-lbs)
22	* Front Fork Upper Clamp Bolts (2)	13 mm	1.6 ~ 2.2 kg-m (11.5 ~ 16.5 ft-lbs)
23	Lever Pivot Nuts (2)	10 mm	
24	☆ Handlebar Holder Clamp Nuts (2)	14 mm	
25	* Steering Stem Head Clamp Nut	13 mm	1.6 ~ 2.2 kg-m (11.5 ~ 16.5 ft-lbs)
26	Fuel Tap Nut	26 mm	
27	Swing Arm Pivot Nut	22 mm	6 ~ 10 kg-m (43 ~ 72 ft-lbs)
28	Rear Shock Absorber Nuts (2)	17 mm	2.6 ~ 3.5 kg-m (19.0 ~ 25 ft-lbs)
29	☆ Rear Axle Nut	27 mm	10 ~ 14 kg-m (72 ~ 101 ft-lbs)
30	Caliper Bolts (2)	14 mm	
31	Front Axle Nuts (2)	27 mm	7 ~ 9 kg-m (51 ~ 65 ft-lbs)
32	Caliper Bracket Bolts (2)	14 mm	3.4 ~ 4.6 kg-m (25 ~ 33 ft-lbs)
33	Front Fork Lower Clamp Bolts (2)	14 mm	
34	* Front Brake Light Switch		2.6 ~ 3.0 kg-m (19.0 ~ 22 ft-lbs)
35	Engine Mounting Bracket Nuts (4)	13 mm	
36	Shift Pedal Link Lever Bolt	13 mm	
37	Footpeg Mounging Bolt	21 mm	
38	Rear Sprocket Nuts (4)	14 mm	
39	Spoke Nipples		0.2 ~ 0.4 kg-m (17 ~ 35 in-lbs)



20 APPENDIX

The table below, relating tightening torque to thread diameter and pitch, lists the basic torque for the bolts and nuts used on Kawasaki Motorcycles. However, the actual torque that is necessary may vary among bolts and nuts with the same thread diameter and pitch. The bolts and nuts listed on Pg. 18 vary to a greater or lesser extent from what is given in this table. Refer to this table for only the bolts and nuts not included in the table on Pg. 18. All of these values are for use with dry solvent cleaned threads.

Coarse threads

dia (mm)	pitch (mm)	kg-m	ft-lbs
5	0.90	0.35~0.50	2.5~3.5
6	1.00	0.6~0.9	4.5~6.5
8	1.25	1.6~2.2	11.5~16.0
10	1.50	3.1~4.2	22~30
12	1.75	5.4~7.5	39~54
14	2.00	8.3~11.5	60~83
16	2.00	13~18	94~130
18	2.50	18~25	130~181
20	2.50	26~35	188~253

Fine threads

dia (mm)	pitch (mm)	kg-m	ft-lbs
5	0.50	0.35~0.50	2.5~3.5
6	0.75	0.6~0.8	4.5~5.5
8	1.00	1.4~1.9	10.0~13.5
10	1.25	2.6~3.5	19.0~25
12	1.50	4.5~6.2	33~45
14	1.50	7.4~10.2	54~74
16	1.50	11.5~16	83~116
18	1.50	17~23	123~166
20	1.50	23~33	166~239

TEST RIDE THE MOTORCYCLE

- **CONTROL CABLES**

The control cables must work without binding in any steering position.

- **STEERING**

Action is free from lock-to-lock.

- **SUSPENSION**

Check operation front and rear.

- **ENGINE**

Kickstarter works properly and engine starts promptly.

Good throttle response and return.

- **TRANSMISSION AND CLUTCH**

Smooth operation.

- **BRAKES**

Adequate, smooth stopping power. No drags.

- **SPEEDOMETER AND TACHOMETER**

Check operation.

- **ELECTRICAL SYSTEM**

Headlight — check high and low beams.

Tail Light — check operation.

Brake Light — check operation.

Turn Signal Light — check operation.

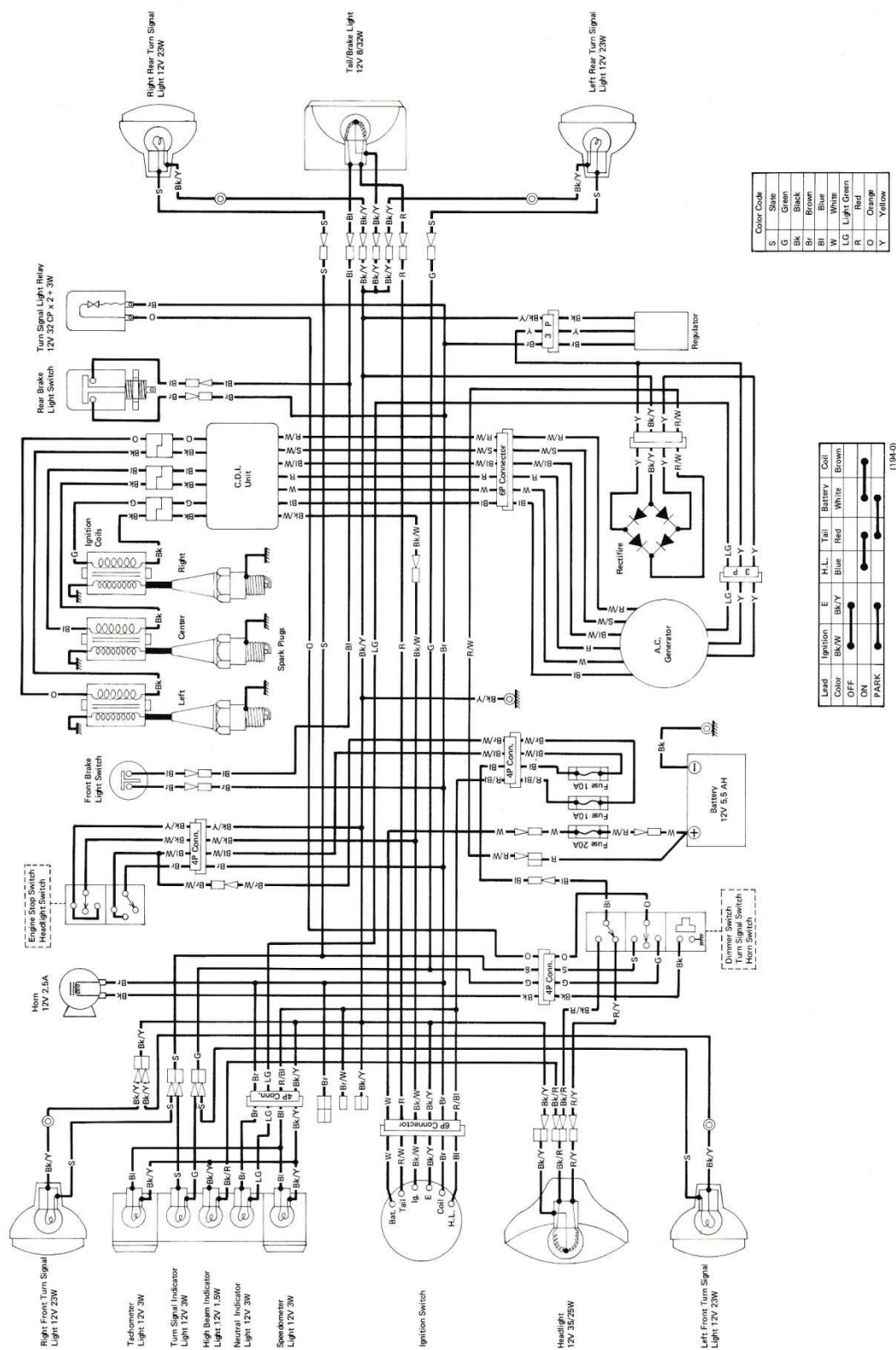
Horn — check operation.

- **ENGINE STOP SWITCH WORKS**

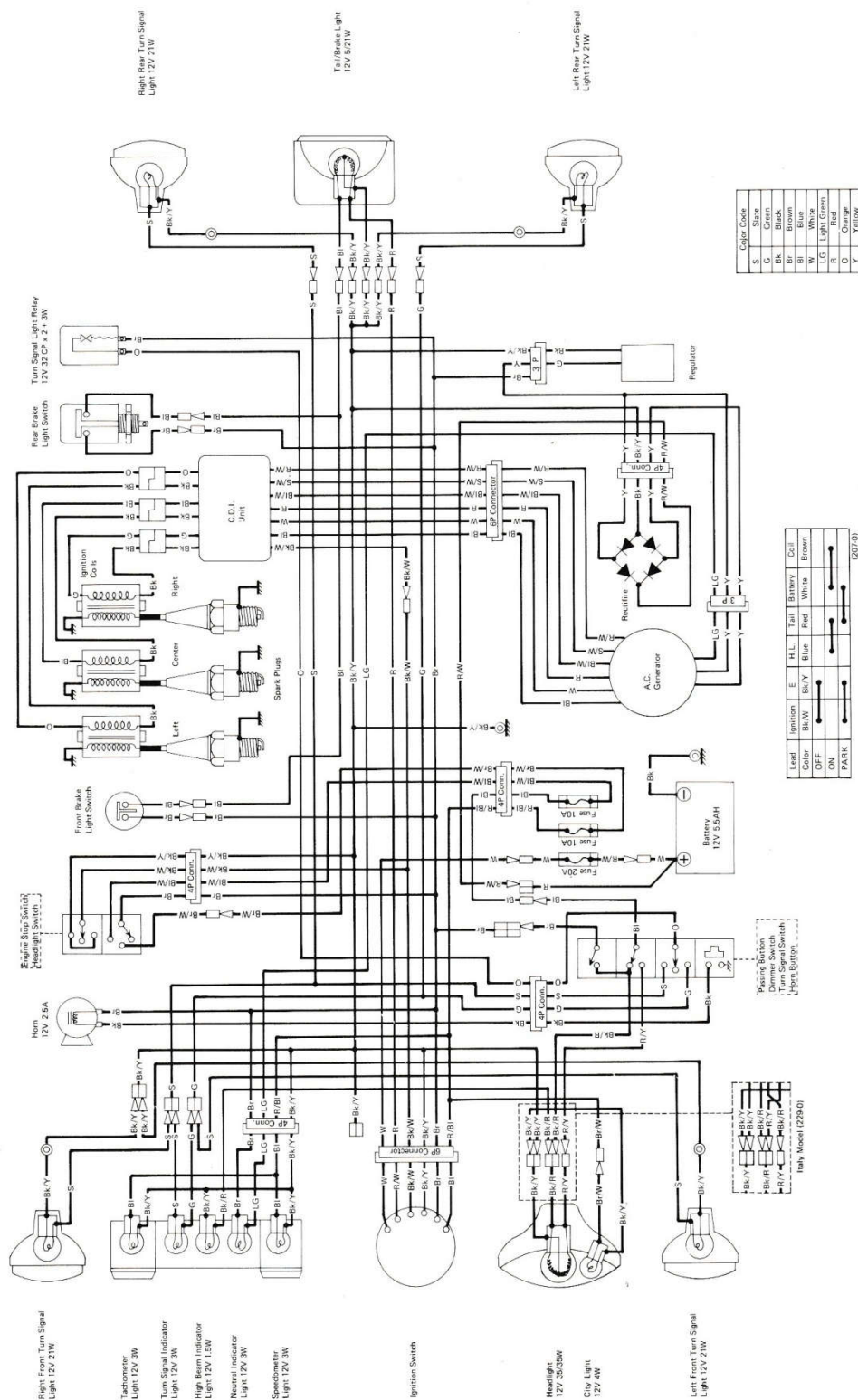
- **NO UNUSUAL NOISES**

- **NO FUEL OR OIL LEAKS**

WIRING DIAGRAM (US Model)



WIRING DIAGRAM (European Model)



MEMO



KAWASAKI
HEAVY INDUSTRIES, LTD.
ENGINE AND MOTORCYCLE GROUP

Part No. 99931-507-01

Printed in Japan